**Name of Work :Package-3 1.Improvements to Roads And Drains at 4th ,5th, 6th ,7th Cross Road at Judicial Layout in ward no.04. 2.Improvements to Roads And Drains at 2nd ,3rd 4th and 5th 6th 7th main roads at Judicial Layout in ward no.04. 3.Improvements to Roads And Drains SFS ,B sector opposite RTO Shopping Complex in ward no 04. 4Improvements to Roads And Drains main and cross of Someshwara nagara in ward no 04. 5.Improvements to Roads And Drains balance main and cross roads of B sector in ward no 04**

Date of Measurement :

Detailed Measurements

| Item No | Discription of Item | | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|
| 12 | KSRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per | | | | | | | |
| | **Judicial Layout** | | | | | | | |
| | **21st main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | (1.50 + 1.00)/2 | 0.05 | 1.88 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | (1.00 + 1.20)/2 | 0.05 | 1.65 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | (1.20 + 1.50)/2 | 0.05 | 2.03 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | (1.50 + 1.40)/2 | 0.05 | 2.18 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | (1.40 + 1.60)/2 | 0.05 | 2.25 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | (1.60 + 1.30)/2 | 0.05 | 2.18 | |
| | Ch:180.00m to 210.00m | | 1 | 30.00 | (1.30 + 1.50)/2 | 0.05 | 2.10 | |
| | Ch:210.00m to 213.00m | | 1 | 3.00 | (1.50 + 1.40)/2 | 0.05 | 0.22 | |
| | **16th cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | (1.00 + 1.10)/2 | 0.05 | 1.58 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | (1.10 + 1.20)/2 | 0.05 | 1.73 | |
| | Ch:60.00m to 66.60m | | 1 | 6.60 | (1.20 + 1.00)/2 | 0.05 | 0.36 | |
| | **17th cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | (1.30 + 1.10)/2 | 0.05 | 1.80 | |

14/6 E.E. (Project)

Contractor

14/6 E.E. (Project)

Newzen Consultants Bangalore

Assistant Engineer

Asst Executive Engineer 5/14/6

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.10 + 1.20 / 2 | 0.05 | 1.73 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 1.20 + 1.20 / 2 | 0.05 | 1.80 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 1.20 + 1.00 / 2 | 0.05 | 1.65 | |
| | Ch:120.00m to 121.80m | | 1 | 1.80 | 1.00 + 1.40 / 2 | 0.05 | 0.11 | |
| | **18th cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.40 + 1.50 / 2 | 0.05 | 2.18 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.50 + 1.40 / 2 | 0.05 | 2.18 | |
| | Ch:60.00m to 65.70m | | 1 | 5.70 | 1.40 + 1.20 / 2 | 0.05 | 0.37 | |
| | **19th cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.00 + 0.80 / 2 | 0.05 | 1.35 | |
| | Ch:30.00m to 56.20m | | 1 | 26.20 | 0.80 + 1.10 / 2 | 0.05 | 1.24 | |
| | **20th cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.10 + 1.00 / 2 | 0.05 | 1.58 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.00 + 1.00 / 2 | 0.05 | 1.50 | |
| | Ch:60.00m to 67.40m | | 1 | 7.40 | 1.00 + 0.70 / 2 | 0.05 | 0.31 | |
| | **21st cross - LHS** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.00 + 1.30 / 2 | 0.05 | 1.73 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.30 + 1.10 / 2 | 0.05 | 1.80 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 1.10 + 1.20 / 2 | 0.05 | 1.73 | |
| | Ch:90.00m to 95.90m | | 1 | 5.90 | 1.20 + 1.10 / 2 | 0.05 | 0.34 | |
| | **21st cross - RHS** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.30 + 1.00 / 2 | 0.05 | 1.73 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.00 + 1.10 / 2 | 0.05 | 1.58 | |
| | **15th main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.30 + 1.20 / 2 | 0.05 | 1.88 | |

E.E. (Project)

Contractor

Newzen Consultants Bangalore

Assistant Engineer

Asst Executive Engineer

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.20 + 1.00 / 2 | 0.05 | 1.65 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 1.00 + 1.40 / 2 | 0.05 | 1.80 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 1.40 + 1.50 / 2 | 0.05 | 2.18 | |
| | Ch:120.00m to 132.00m | | 1 | 12.00 | 1.50 + 1.20 / 2 | 0.05 | 0.81 | |
| | Ch:132.00m to 142.00m | | 1 | 10.00 | 1.20 + 1.10 / 2 | 0.05 | 0.58 | |
| | **26th cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.40 + 1.20 / 2 | 0.05 | 1.95 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.20 + 1.30 / 2 | 0.05 | 1.88 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 1.30 + 1.50 / 2 | 0.05 | 2.10 | |
| | Ch:90.00m to 104.50m | | 1 | 14.50 | 1.50 + 1.20 / 2 | 0.05 | 0.98 | |
| | **2nd main-Chikkabommasandra** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.80 + 1.60 / 2 | 0.05 | 2.55 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.60 + 1.50 / 2 | 0.05 | 2.33 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 1.50 + 1.70 / 2 | 0.05 | 2.40 | |
| | Ch:90.00m to 105.00m | | 1 | 15.00 | 1.70 + 1.80 / 2 | 0.05 | 1.31 | |
| | **12th main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.20 + 1.20 / 2 | 0.05 | 1.80 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.20 + 1.00 / 2 | 0.05 | 1.65 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 1.00 + 1.40 / 2 | 0.05 | 1.80 | |
| | Ch:90.00m to 110.00m | | 1 | 20.00 | 1.40 + 1.30 / 2 | 0.05 | 1.35 | |
| | **25th A cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.30 + 1.40 / 2 | 0.05 | 2.03 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.40 + 1.00 / 2 | 0.05 | 1.80 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 1.00 + 1.50 / 2 | 0.05 | 1.88 | |

E.E. (Project) 14/6

Contractor

Newzen Consultants Bangalore

Assistant Engineer

Asst Executive Engineer 14/6

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Ch:90.00m to 110.50m | 1 | 20.50 | 1.50 + 1.20 / 2 | 0.05 | 1.38 | |
| | **13th B main** | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | 1.30 + 1.20 / 2 | 0.05 | 1.88 | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | 1.20 + 1.50 / 2 | 0.05 | 2.03 | |
| | Ch:60.00m to 90.00m | 1 | 30.00 | 1.50 + 1.20 / 2 | 0.05 | 2.03 | |
| | Ch:90.00m to 109.50m | 1 | 19.50 | 1.20 + 1.10 / 2 | 0.05 | 1.12 | |
| | **22nd cross** | | | | | | |
| | Cross | 1 | 9.10 | 1.80 + 2.00 / 2 | 0.05 | 0.86 | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | 1.50 + 1.60 / 2 | 0.05 | 2.33 | |
| | Ch:30.00m to 34.00m | 1 | 14.00 | 1.60 + 1.70 / 2 | 0.05 | 1.16 | |
| | **13th main** | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | 1.80 + 1.70 / 2 | 0.05 | 2.63 | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | 1.70 + 1.20 / 2 | 0.05 | 2.18 | |
| | Ch:60.00m to 79.00m | 1 | 19.00 | 1.20 + 1.10 / 2 | 0.05 | 1.09 | |
| | **5th cross** | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | 1.60 + 1.30 / 2 | 0.05 | 2.18 | |
| | Ch:30.00m to 54.50m | 1 | 24.50 | 1.30 + 1.00 / 2 | 0.05 | 1.41 | |
| | **10th main** | | | | | | - |
| | Ch:0.00m to 30.00m | 1 | 30.00 | 2.00 + 1.90 / 2 | 0.05 | 2.93 | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | 1.90 + 1.70 / 2 | 0.05 | 2.70 | |
| | Ch:60.00m to 90.00m | 1 | 30.00 | 1.70 + 1.60 / 2 | 0.05 | 2.48 | |
| | Ch:90.00m to 99.00m | 1 | 9.00 | 1.60 + 1.90 / 2 | 0.05 | 0.79 | |
| | **4th main** | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | 2.20 + 1.90 / 2 | 0.05 | 3.08 | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | 1.90 + 1.80 / 2 | 0.05 | 2.78 | |

E.E. (Project)

Contractor

Newzen Consultants Bangalore

Assistant Engineer

Asst Executive Engineer 14/6

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 1.80 + 1.60 / 2 | 0.05 | 2.55 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 1.60 + 1.80 / 2 | 0.05 | 2.55 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | 1.80 + 1.00 / 2 | 0.05 | 2.10 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | 1.00 + 1.60 / 2 | 0.05 | 1.95 | |
| | Ch:180.00m to 208.70m | | 1 | 28.70 | 1.60 + 1.50 / 2 | 0.05 | 2.22 | |
| | **3rd main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.90 + 1.80 / 2 | 0.05 | 2.78 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.80 + 1.50 / 2 | 0.05 | 2.48 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 1.50 + 1.60 / 2 | 0.05 | 2.33 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 1.60 + 1.80 / 2 | 0.05 | 2.55 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | 1.80 + 1.50 / 2 | 0.05 | 2.48 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | 1.50 + 1.40 / 2 | 0.05 | 2.18 | |
| | Ch:180.00m to 210.00m | | 1 | 30.00 | 1.40 + 1.30 / 2 | 0.05 | 2.03 | |
| | Ch:210.00m to 212.00m | | 1 | 2.00 | 1.30 + 1.60 / 2 | 0.05 | 0.15 | |
| | **2nd main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.90 + 2.00 / 2 | 0.05 | 2.93 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 2.00 + 1.80 / 2 | 0.05 | 2.85 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 1.80 + 1.50 / 2 | 0.05 | 2.48 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 1.50 + 1.60 / 2 | 0.05 | 2.33 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | 1.60 + 1.80 / 2 | 0.05 | 2.55 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | 1.80 + 2.00 / 2 | 0.05 | 2.85 | |
| | Ch:180.00m to 210.00m | | 1 | 30.00 | 2.00 + 1.70 / 2 | 0.05 | 2.78 | |
| | Ch:210.00m to 211.80m | | 1 | 1.80 | 1.70 + 2.00 / 2 | 0.05 | 0.17 | |
| | **3rd main** | | | | | | | |

E.E. (Project)

14/6

E.E. (Project)

14/6

E.E. (Project)

Contractor

Newzen Consultants Bangalore

Assistant Engineer

Asst Executive Engineer 14/6

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 2.00 + 1.10 / 2 | 0.05 | 2.33 | |
| | Ch:30.00m to 40.00m | | 1 | 10.00 | 1.10 + 1.50 / 2 | 0.05 | 0.65 | |
| | **4th A main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.70 + 1.40 / 2 | 0.05 | 2.33 | |
| | Ch:30.00m to 47.60m | | 1 | 17.60 | 1.40 + 1.60 / 2 | 0.05 | 1.32 | |
| | **16th main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 2.00 + 2.30 / 2 | 0.05 | 3.23 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 2.30 + 2.00 / 2 | 0.05 | 3.23 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 2.00 + 1.80 / 2 | 0.05 | 2.85 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 1.80 + 1.60 / 2 | 0.05 | 2.55 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | 1.60 + 1.50 / 2 | 0.05 | 2.33 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | 1.50 + 1.90 / 2 | 0.05 | 2.55 | |
| | Ch:180.00m to 210.00m | | 1 | 30.00 | 1.90 + 1.40 / 2 | 0.05 | 2.48 | |
| | Ch:210.00m to 227.00m | | 1 | 17.00 | 1.40 + 2.10 / 2 | 0.05 | 1.49 | |
| | **26th cross from 14th main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.70 + 2.10 / 2 | 0.05 | 2.85 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 2.10 + 1.90 / 2 | 0.05 | 3.00 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 1.90 + 2.00 / 2 | 0.05 | 2.93 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 2.00 + 1.70 / 2 | 0.05 | 2.78 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | 1.70 + 2.00 / 2 | 0.05 | 2.78 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | 2.00 + 1.90 / 2 | 0.05 | 2.93 | |
| | Ch:180.00m to 187.00m | | 1 | 7.00 | 1.90 + 1.60 / 2 | 0.05 | 0.61 | |
| | **26th cross - 17th main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.50 + 1.70 / 2 | 0.05 | 2.40 | |

E.E. (Project)

Contractor

E.E. (Project)

Newzen Consultants Bangalore

Assistant Engineer
14/6/18

Asst Executive Engineer
14/6

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Ch:30.00m to 60.00m | | 1 | 30.00 | (1.70 + 1.80)/2 | 0.05 | 2.63 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | (1.80 + 1.90)/2 | 0.05 | 2.78 | |
| | Ch:90.00m to 110.00m | | 1 | 20.00 | (1.90 + 1.90)/2 | 0.05 | 1.90 | |
| | **27th cross - 17th main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | (1.70 + 1.90)/2 | 0.05 | 2.70 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | (1.90 + 2.10)/2 | 0.05 | 3.00 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | (2.10 + 1.80)/2 | 0.05 | 2.93 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | (1.80 + 1.40)/2 | 0.05 | 2.40 | |
| | Ch:120.00m to 146.00m | | 1 | 26.00 | (1.40 + 1.60)/2 | 0.05 | 1.95 | |
| | **28th cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | (2.00 + 1.80)/2 | 0.05 | 2.85 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | (1.80 + 1.50)/2 | 0.05 | 2.48 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | (1.50 + 1.20)/2 | 0.05 | 2.03 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | (1.20 + 2.30)/2 | 0.05 | 2.63 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | (2.30 + 2.00)/2 | 0.05 | 3.23 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | (2.00 + 1.80)/2 | 0.05 | 2.85 | |
| | Ch:180.00m to 200.00m | | 1 | 20.00 | (1.80 + 1.60)/2 | 0.05 | 1.70 | |
| | **22nd A cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | (1.40 + 1.20)/2 | 0.05 | 1.95 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | (1.20 + 1.50)/2 | 0.05 | 2.03 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | (1.50 + 1.10)/2 | 0.05 | 1.95 | |
| | Ch:90.00m to 102.00m | | 1 | 12.00 | (1.10 + 1.60)/2 | 0.05 | 0.81 | |
| | **29th cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | (1.60 + 1.80)/2 | 0.05 | 2.55 | |

E.E. (Project)

Contractor

Newzen Consultants Bangalore

Newzen Consultants Bangalore

Assistant Engineer

14/6/18

Asst Executive Engineer

14/6

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Ch:30.00m to 60.00m | | 1 | 30.00 | $\frac{1.80 + 2.00}{2}$ | 0.05 | 2.85 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | $\frac{2.00 + 1.90}{2}$ | 0.05 | 2.93 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | $\frac{1.90 + 2.20}{2}$ | 0.05 | 3.08 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | $\frac{2.20 + 2.00}{2}$ | 0.05 | 3.15 | |
| | Ch:150.00m to 160.00m | | 1 | 10.00 | $\frac{2.00 + 1.90}{2}$ | 0.05 | 0.98 | |
| | **1st cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | $\frac{1.40 + 2.00}{2}$ | 0.05 | 2.55 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | $\frac{2.00 + 1.80}{2}$ | 0.05 | 2.85 | |
| | Ch:60.00m to 60.50m | | 1 | 0.50 | $\frac{1.80 + 1.50}{2}$ | 0.05 | 0.04 | |
| | **28th A cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | $\frac{1.80 + 1.70}{2}$ | 0.05 | 2.63 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | $\frac{1.70 + 2.00}{2}$ | 0.05 | 2.78 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | $\frac{2.00 + 2.00}{2}$ | 0.05 | 3.00 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | $\frac{2.00 + 1.80}{2}$ | 0.05 | 2.85 | |
| | Ch:120.00m to 133.00m | | 1 | 13.00 | $\frac{1.80 + 1.90}{2}$ | 0.05 | 1.20 | |
| | **28th B cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | $\frac{2.00 + 2.10}{2}$ | 0.05 | 3.08 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | $\frac{2.10 + 1.40}{2}$ | 0.05 | 2.63 | |
| | Ch:60.00m to 82.50m | | 1 | 22.50 | $\frac{1.40 + 1.70}{2}$ | 0.05 | 1.74 | |
| | **23rd A cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | $\frac{2.20 + 2.00}{2}$ | 0.05 | 3.15 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | $\frac{2.00 + 2.30}{2}$ | 0.05 | 3.23 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | $\frac{2.30 + 2.50}{2}$ | 0.05 | 3.60 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | $\frac{2.50 + 2.60}{2}$ | 0.05 | 3.83 | |

E.E. (Protect)

Contractor

Newzen Consultants Bangalore

Newzen Consultants Bangalore

14/6

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch:120.00m to 150.00m | | 1 | 30.00 | 2.60 + 2.10 / 2 | 0.05 | 3.53 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | 2.10 + 2.40 / 2 | 0.05 | 3.38 | |
| | Ch:180.00m to 198.00m | | 1 | 18.00 | 2.40 + 2.20 / 2 | 0.05 | 2.07 | |
| | **B sector opposite RTO** | | | | | | | |
| | **13th B main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.50 + 1.90 / 2 | 0.05 | 2.55 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.90 + 2.40 / 2 | 0.05 | 3.23 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 2.40 + 2.00 / 2 | 0.05 | 3.30 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 2.00 + 2.30 / 2 | 0.05 | 3.23 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | 2.30 + 1.80 / 2 | 0.05 | 3.08 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | 1.80 + 1.40 / 2 | 0.05 | 2.40 | |
| | Ch:180.00m to 210.00m | | 1 | 30.00 | 1.40 + 1.80 / 2 | 0.05 | 2.40 | |
| | Ch:210.00m to 240.00m | | 1 | 30.00 | 1.80 + 1.50 / 2 | 0.05 | 2.48 | |
| | Ch:240.00m to 270.00m | | 1 | 30.00 | 1.50 + 1.60 / 2 | 0.05 | 2.33 | |
| | Ch:270.00m to 300.00m | | 1 | 30.00 | 1.60 + 1.40 / 2 | 0.05 | 2.25 | |
| | Ch:300.00m to 330.00m | | 1 | 30.00 | 1.40 + 2.00 / 2 | 0.05 | 2.55 | |
| | Ch:330.00m to 360.00m | | 1 | 30.00 | 2.00 + 1.70 / 2 | 0.05 | 2.78 | |
| | Ch:360.00m to 390.00m | | 1 | 30.00 | 1.70 + 1.30 / 2 | 0.05 | 2.25 | |
| | Ch:390.00m to 419.30m | | 1 | 29.30 | 1.30 + 1.90 / 2 | 0.05 | 2.34 | |
| | **19th B cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 2.00 + 1.80 / 2 | 0.05 | 2.85 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.80 + 2.00 / 2 | 0.05 | 2.85 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 2.00 + 2.10 / 2 | 0.05 | 3.08 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 2.10 + 1.90 / 2 | 0.05 | 3.00 | |

E.E. (Protech)

Contractor

Newzen Consultants Bangalore

Assistant Engineer

Asst Executive Engineer

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Ch:120.00m to 150.00m | | 1 | 30.00 | $\frac{1.90 + 1.50}{2}$ | 0.05 | 2.55 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | $\frac{1.50 + 2.60}{2}$ | 0.05 | 3.08 | |
| | Ch:180.00m to 210.00m | | 1 | 30.00 | $\frac{2.60 + 2.00}{2}$ | 0.05 | 3.45 | |
| | Ch:210.00m to 240.00m | | 1 | 30.00 | $\frac{2.00 + 1.70}{2}$ | 0.05 | 2.78 | |
| | Ch:240.00m to 270.00m | | 1 | 30.00 | $\frac{1.70 + 2.10}{2}$ | 0.05 | 2.85 | |
| | Ch:270.00m to 300.00m | | 1 | 30.00 | $\frac{2.10 + 1.80}{2}$ | 0.05 | 2.93 | |
| | Ch:300.00m to 330.00m | | 1 | 30.00 | $\frac{1.80 + 1.60}{2}$ | 0.05 | 2.55 | |
| | Ch:330.00m to 360.00m | | 1 | 30.00 | $\frac{1.60 + 1.50}{2}$ | 0.05 | 2.33 | |
| | Ch:360.00m to 390.00m | | 1 | 30.00 | $\frac{1.50 + 1.30}{2}$ | 0.05 | 2.10 | |
| | Ch:390.00m to 420.00m | | 1 | 30.00 | $\frac{1.30 + 1.20}{2}$ | 0.05 | 1.88 | |
| | Ch:420.00m to 447.00m | | 1 | 27.00 | $\frac{1.20 + 1.40}{2}$ | 0.05 | 1.76 | |
| | **7th B cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | $\frac{2.30 + 2.00}{2}$ | 0.05 | 3.23 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | $\frac{2.00 + 2.50}{2}$ | 0.05 | 3.38 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | $\frac{2.50 + 2.30}{2}$ | 0.05 | 3.60 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | $\frac{2.30 + 2.60}{2}$ | 0.05 | 3.68 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | $\frac{2.60 + 2.00}{2}$ | 0.05 | 3.45 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | $\frac{2.00 + 1.80}{2}$ | 0.05 | 2.85 | |
| | Ch:180.00m to 192.00m | | 1 | 12.00 | $\frac{1.80 + 1.90}{2}$ | 0.05 | 1.11 | |
| | **7th B main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | $\frac{2.20 + 2.40}{2}$ | 0.05 | 3.45 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | $\frac{2.40 + 2.10}{2}$ | 0.05 | 3.38 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | $\frac{2.10 + 1.60}{2}$ | 0.05 | 2.78 | |

E.E. (Project) 14/6

E.E. (Project) 14/6

E.E. (Project) 14/6

Contractor

Newzen Consultants Bangalore

Assistant Engineer 14/6/18

Asst Executive Engineer 14/6

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 1.60 + 1.40 / 2 | | 0.05 | 2.25 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | 1.40 + 1.50 / 2 | | 0.05 | 2.18 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | 1.50 + 1.80 / 2 | | 0.05 | 2.48 | |
| | Ch:180.00m to 210.00m | | 1 | 30.00 | 1.80 + 1.40 / 2 | | 0.05 | 2.40 | |
| | Ch:210.00m to 240.00m | | 1 | 30.00 | 1.40 + 1.60 / 2 | | 0.05 | 2.25 | |
| | **4th B cross** | | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.60 + 1.80 / 2 | | 0.05 | 2.55 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.80 + 2.10 / 2 | | 0.05 | 2.93 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 2.10 + 1.40 / 2 | | 0.05 | 2.63 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 1.40 + 1.90 / 2 | | 0.05 | 2.48 | |
| | Ch:120.00m to 137.00m | | 1 | 17.00 | 1.90 + 1.50 / 2 | | 0.05 | 1.45 | |
| | **12th B main** | | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.90 + 1.80 / 2 | | 0.05 | 2.78 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.80 + 2.30 / 2 | | 0.05 | 3.08 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 2.30 + 3.00 / 2 | | 0.05 | 3.98 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 3.00 + 2.40 / 2 | | 0.05 | 4.05 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | 2.40 + 2.10 / 2 | | 0.05 | 3.38 | |
| | Ch:150.00m to 153.00m | | 1 | 3.00 | 2.10 + 1.70 / 2 | | 0.05 | 0.29 | |
| | **12th B cross** | | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.00 + 0.90 / 2 | | 0.05 | 1.43 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 0.90 + 1.10 / 2 | | 0.05 | 1.50 | |
| | Ch:60.00m to 71.00m | | 1 | 11.00 | 1.10 + 0.70 / 2 | | 0.05 | 0.50 | |
| | **12th B cross** | | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 0.80 + 0.60 / 2 | | 0.05 | 1.05 | |

E.E. (Project)

Contractor

Newzen Consultants Bangalore

Assistant Engineer

Asst Executive Engineer

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Ch:30.00m to 60.00m | | 1 | 30.00 | $\frac{0.60 + 0.50}{2}$ | 0.05 | 0.83 | |
| | Ch:60.00m to 69.70m | | 1 | 9.70 | $\frac{0.50 + 0.50}{2}$ | 0.05 | 0.24 | |
| | **6th B cross** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | $\frac{1.80 + 2.00}{2}$ | 0.05 | 2.85 | |
| | Ch:30.00m to 51.00m | | 1 | 21.00 | $\frac{2.00 + 1.70}{2}$ | 0.05 | 1.94 | |
| | Ch:51.00m to 60.00m | | 1 | 9.00 | $\frac{1.40 + 1.80}{2}$ | 0.05 | 0.72 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | $\frac{1.30 + 2.00}{2}$ | 0.05 | 2.48 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | $\frac{2.00 + 1.60}{2}$ | 0.05 | 2.70 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | $\frac{1.60 + 1.90}{2}$ | 0.05 | 2.63 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | $\frac{1.90 + 2.10}{2}$ | 0.05 | 3.00 | |
| | Ch:180.00m to 210.00m | | 1 | 30.00 | $\frac{2.10 + 1.50}{2}$ | 0.05 | 2.70 | |
| | Ch:210.00m to 240.00m | | 1 | 30.00 | $\frac{1.50 + 1.80}{2}$ | 0.05 | 2.48 | |
| | Ch:240.00m to 250.00m | | 1 | 10.00 | $\frac{1.80 + 2.00}{2}$ | 0.05 | 0.95 | |
| | **Someshwaranagara** | | | | | | | |
| | **4th B cross, from 3rd main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | $\frac{1.60 + 1.70}{2}$ | 0.05 | 2.48 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | $\frac{1.70 + 2.00}{2}$ | 0.05 | 2.78 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | $\frac{2.00 + 1.80}{2}$ | 0.05 | 2.85 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | $\frac{1.80 + 1.90}{2}$ | 0.05 | 2.78 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | $\frac{1.90 + 2.50}{2}$ | 0.05 | 3.30 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | $\frac{2.50 + 1.90}{2}$ | 0.05 | 3.30 | |
| | Ch:180.00m to 182.00m | | 1 | 2.00 | $\frac{1.90 + 1.40}{2}$ | 0.05 | 0.17 | |
| | **3rd B cross, from 3rd main** | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | $\frac{2.10 + 1.90}{2}$ | 0.05 | 3.00 | |

E.E. (Project)

Contractor

Newzen Consultants Bangalore

Assistant Engineer

Asst Executive Engineer

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.90 + 1.80 / 2 | | 0.05 | 2.78 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 1.80 + 2.00 / 2 | | 0.05 | 2.85 | |
| | Ch:90.00m to 120.00m | | 1 | 30.00 | 2.00 + 2.20 / 2 | | 0.05 | 3.15 | |
| | Ch:120.00m to 150.00m | | 1 | 30.00 | 2.20 + 1.50 / 2 | | 0.05 | 2.78 | |
| | Ch:150.00m to 180.00m | | 1 | 30.00 | 1.50 + 1.70 / 2 | | 0.05 | 2.40 | |
| | Ch:180.00m to 186.00m | | 1 | 6.00 | 1.70 + 1.90 / 2 | | 0.05 | 0.54 | |
| | **Cross road -1** | | | | | | | | |
| | Ch:0.00m to 25.00m | | 1 | 25.00 | 0.90 + 0.80 / 2 | | 0.05 | 1.06 | |
| | **Cross road -2** | | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.60 + 1.40 / 2 | | 0.05 | 2.25 | |
| | Ch:30.00m to 31.00m | | 1 | 1.00 | 1.40 + 1.20 / 2 | | 0.05 | 0.07 | |
| | **Cross road -3** | | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.90 + 1.80 / 2 | | 0.05 | 2.78 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.80 + 2.30 / 2 | | 0.05 | 3.08 | |
| | Ch:60.00m to 90.00m | | 1 | 30.00 | 2.30 + 2.10 / 2 | | 0.05 | 3.30 | |
| | Ch:90.00m to 108.00m | | 1 | 18.00 | 2.10 + 1.90 / 2 | | 0.05 | 1.80 | |
| | **2nd B cross** | | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.90 + 1.50 / 2 | | 0.05 | 2.55 | |
| | Ch:30.00m to 60.00m | | 1 | 30.00 | 1.50 + 1.30 / 2 | | 0.05 | 2.10 | |
| | Ch:60.00m to 68.80m | | 1 | 8.80 | 1.30 + 1.50 / 2 | | 0.05 | 0.62 | |
| | **3rd B main** | | | | | | | | |
| | Ch:0.00m to 30.00m | | 1 | 30.00 | 1.90 + 1.60 / 2 | | 0.05 | 2.63 | |
| | Ch:30.00m to 38.00m | | 1 | 8.00 | 1.60 + 1.80 / 2 | | 0.05 | 0.68 | |
| | Ch:0.00m to 29.50m | | 1 | 29.50 | 3.60 + 1.20 / 2 | | 0.05 | 3.54 | |

E.E. (Project) 14/6

Contractor

Newzen Consultants Bangalore

Newzen Consultants Bangalore

Assistant Engineer 14/6/18

Asst Executive Engineer 14/6

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **3rd B main** | | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | $\frac{2.10 + 2.00}{2}$ | 0.05 | 3.08 | | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | $\frac{2.00 + 1.80}{2}$ | 0.05 | 2.85 | | |
| | Ch:60.00m to 90.00m | 1 | 30.00 | $\frac{1.80 + 1.60}{2}$ | 0.05 | 2.55 | | |
| | Ch:90.00m to 120.00m | 1 | 30.00 | $\frac{1.60 + 2.30}{2}$ | 0.05 | 2.93 | | |
| | Ch:120.00m to 150.00m | 1 | 30.00 | $\frac{2.30 + 2.40}{2}$ | 0.05 | 3.53 | | |
| | Ch:150.00m to 162.00m | 1 | 12.00 | $\frac{2.40 + 1.80}{2}$ | 0.05 | 1.26 | | |
| | **4th A cross** | | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | $\frac{1.90 + 1.50}{2}$ | 0.05 | 2.55 | | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | $\frac{1.50 + 1.10}{2}$ | 0.05 | 1.95 | | |
| | Ch:60.00m to 63.00m | 1 | 3.00 | $\frac{1.10 + 1.00}{2}$ | 0.05 | 0.16 | | |
| | **3rd A cross** | | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | $\frac{1.50 + 1.80}{2}$ | 0.05 | 2.48 | | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | $\frac{1.80 + 1.20}{2}$ | 0.05 | 2.25 | | |
| | Ch:60.00m to 63.00m | 1 | 3.00 | $\frac{1.20 + 1.40}{2}$ | 0.05 | 0.20 | | |
| | **2nd A cross** | | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | $\frac{1.00 + 1.40}{2}$ | 0.05 | 1.80 | | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | $\frac{1.40 + 1.10}{2}$ | 0.05 | 1.88 | | |
| | Ch:60.00m to 64.00m | 1 | 4.00 | $\frac{1.10 + 1.50}{2}$ | 0.05 | 0.26 | | |
| | **3rd A main** | | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | $\frac{2.10 + 1.80}{2}$ | 0.05 | 2.93 | | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | $\frac{1.80 + 1.50}{2}$ | 0.05 | 2.48 | | |
| | Ch:60.00m to 90.00m | 1 | 30.00 | $\frac{1.50 + 1.30}{2}$ | 0.05 | 2.10 | | |
| | Ch:90.00m to 120.00m | 1 | 30.00 | $\frac{1.30 + 1.40}{2}$ | 0.05 | 2.03 | | |
| | Ch:120.00m to 150.00m | 1 | 30.00 | $\frac{1.40 + 1.00}{2}$ | 0.05 | 1.80 | | |

E.E. (Project)

Contractor

Newzen Consultants Bangalore

Assistant Engineer

14/6/18

Asst Executive Engineer

14/6

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Ch:150.00m to 177.00m | 1 | 27.00 | 1.00 + 1.30 / 2 | 0.05 | 1.55 | |
| | **5th A cross** | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | 1.20 + 1.30 / 2 | 0.05 | 1.88 | |
| | Ch:30.00m to 49.00m | 1 | 19.00 | 1.30 + 1.00 / 2 | 0.05 | 1.09 | |
| | **3rd A cross** | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | 1.30 + 1.00 / 2 | 0.05 | 1.73 | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | 1.00 + 0.90 / 2 | 0.05 | 1.43 | |
| | Ch:60.00m to 90.00m | 1 | 30.00 | 0.90 + 0.80 / 2 | 0.05 | 1.28 | |
| | Ch:90.00m to 103.00m | 1 | 13.00 | 0.80 + 1.10 / 2 | 0.05 | 0.62 | |
| | **2nd A cross** | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | 1.50 + 1.30 / 2 | 0.05 | 2.10 | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | 1.30 + 1.40 / 2 | 0.05 | 2.03 | |
| | Ch:60.00m to 90.00m | 1 | 30.00 | 1.40 + 1.00 / 2 | 0.05 | 1.80 | |
| | Ch:90.00m to 120.00m | 1 | 30.00 | 1.00 + 1.20 / 2 | 0.05 | 1.65 | |
| | **2nd main, Chikkabommasandra** | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | 1.50 + 1.40 / 2 | 0.05 | 2.18 | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | 1.40 + 1.70 / 2 | 0.05 | 2.33 | |
| | Ch:60.00m to 90.00m | 1 | 30.00 | 1.70 + 1.20 / 2 | 0.05 | 2.18 | |
| | Ch:90.00m to 120.00m | 1 | 30.00 | 1.20 + 1.50 / 2 | 0.05 | 2.03 | |
| | Ch:120.00m to 150.00m | 1 | 30.00 | 1.50 + 1.80 / 2 | 0.05 | 2.48 | |
| | Ch:150.00m to 153.00m | 1 | 3.00 | 1.80 + 1.30 / 2 | 0.05 | 0.23 | |
| | **Shaneshwara Temple cirle** | | | | | | |
| | Ch:150.00m to 180.00m | 1 | 30.00 | 1.60 + 1.40 / 2 | 0.05 | 2.25 | |
| | Ch:180.00m to 210.00m | 1 | 30.00 | 1.40 + 1.80 / 2 | 0.05 | 2.40 | |
| | Ch:210.00m to 240.00m | 1 | 30.00 | 1.80 + 2.00 / 2 | 0.05 | 2.85 | |

E.E. (Project)

Contractor

Newzen Consultants Bangalore

Newzen Consultants Bangalore

Assistant Engineer

Asst Executive Engineer